**IN THE CLAIMS:**

Please amend claims 1, 3, 5-6, 8, 12, and 14 as follows:

1. (Currently Amended) A method for displaying a dendrogram comprising the steps of:

clustering a plurality ~~of types~~ of biopolymers based on a set of data obtained by experiments under different conditions on [[of]] the plurality ~~types~~ of biopolymers ~~under different conditions~~, and displaying clustering results thereof in a form of a dendrogram;

selecting a subtree in the dendrogram; and

displaying the selected subtree on a separate window thereby grouping biopolymers in the selected subtree into at least one function ~~unit or function~~ group sharing a common functional characteristic.

2. (Previously Presented) A method for displaying a dendrogram according to claim 1, further comprising the steps of:

designating a different clustering method for biopolymers included in the subtree displayed on the separate window; and

secondarily clustering the biopolymers included in the subtree according to the designated clustering method, and displaying secondarily clustering results thereof in a form of a dendrogram.

3. (Currently Amended) A method for displaying a dendrogram comprising the steps of:

clustering a plurality ~~of types~~ of biopolymers based on a set of data obtained by experiments under different conditions on [[of]] the plurality ~~types~~ of biopolymers ~~under different conditions~~, and displaying clustering results thereof in a form of a dendrogram;

selecting a subtree in the dendrogram; and

replacing the selected subtree with an icon in the dendrogram thereby grouping biopolymers in the selected subtree into at least one function ~~unit or function~~ group sharing a common functional characteristic.

4. (Previously Presented) A method for displaying a dendrogram according to claim 3, further comprising a step of restoring the icon back to the subtree in the dendrogram.

5. (Currently Amended) A method for displaying a dendrogram comprising the steps of:

clustering a plurality ~~of types~~ of biopolymers based on a set of data obtained by experiments under different conditions on [[of]] the plurality ~~types~~ of biopolymers ~~under different conditions~~, and displaying clustering results thereof in a form of a dendrogram;

selecting a subtree in the dendrogram; and

~~in the selected subtree,~~ counting ~~and displaying~~ predetermined keywords in the selected subtree and displaying the predetermined keywords with a corresponding ~~number~~ count of biopolymers ~~containing in~~ whose biopolymer information ~~thereof~~ contain ~~a respective~~ one of the predetermined keywords thereby grouping biopolymers in the selected subtree into at least one function ~~unit or function~~ group sharing a common functional characteristic.

6. (Currently Amended) A method for displaying a dendrogram comprising the steps of:

clustering a plurality ~~of types~~ of biopolymers based on a set of data obtained by experiments under different conditions on [[of]] the plurality ~~types~~ of biopolymers ~~under different conditions~~, and displaying clustering results thereof in a form of a dendrogram;

selecting a subtree in the dendrogram;

designating at least one keyword for the selected subtree; and

displaying the selected subtree and highlighting a location of each biopolymer in the selected subtree ~~which includes~~ whose biopolymer information contains the designated keyword ~~in biopolymer information thereof~~ thereby grouping biopolymers in the selected subtree into at least one function ~~unit or function~~ group sharing a common functional characteristic.

7. (Original) A method for displaying a dendrogram according to any one of claims 1 to 6, wherein the biopolymers are cDNAs, RNAs, DNA fragments or genes.

8. (Currently Amended) A system for displaying a dendrogram comprising:

a clustering processor for clustering a plurality ~~types~~ of biopolymers based on a set of data obtained by experiments under different conditions on [[of]] the plurality ~~types~~

of biopolymers ~~under different conditions~~, and analyzing and displaying clustering results thereof in a form of a dendrogram;

a display system for displaying the dendrogram and for displaying on a separate window a subtree selected by a user thereby grouping biopolymers in the selected subtree into at least one function ~~unit or function~~ group sharing a common functional characteristic; and

a keyword dictionary file for storing keywords of biopolymer information associated with each of the plurality types of biopolymers.

9. (Previously Presented) A system for displaying a dendrogram according to claim 8, further comprising input means for selecting the subtree by the user.

10. (Previously Presented) A system for displaying a dendrogram according to claim 8, further comprising means for designating a different clustering method for the subtree displayed on the separate window to secondarily cluster biopolymers included in the subtree according to the designated clustering method, and displaying secondarily clustering results thereof in a form of a dendrogram.

11. (Previously Presented) A system for displaying a dendrogram according to any one of claims 8 to 10, further comprising means for replacing the selected subtree with an icon, and means for restoring the icon back to the subtree in the dendrogram.

12. (Currently Amended) A system for displaying a dendrogram according to any one of claims 8 to 10, further comprising one of means for counting ~~and displaying~~ predetermined keywords retrieved from the keyword dictionary file and displaying the predetermined keywords with a corresponding ~~number~~ count of biopolymers ~~containing in~~ whose biopolymer information ~~thereof~~ contain ~~a respective~~ one of the predetermined keywords ~~from~~, and highlighting a location of each biopolymer in the selected subtree ~~which includes~~ whose biopolymer information contains the predetermined keywords ~~in the biopolymer information thereof~~.

13. (Previously Presented) A system for displaying a dendrogram according to any one of claims 8 to 10, wherein the biopolymers are cDNAs, RNAs, DNA fragments or genes.

14. (Currently Amended) A method for displaying a dendrogram according to claim 5, wherein the counting step involves counting synonyms of ~~the respective~~ said one of the predetermined keywords.

15. (Original) A system for displaying a dendrogram according to claim 12, wherein the means for counting and displaying counts synonyms of each of the predetermined keywords.